

New York State Department of Transportation

Yellow Flag NB2222W015

By: Sahadeo Bhagwandin

Flag Date: June 03, 2022

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: June 03, 2022 10:00:00 AM

Of: NYSDOT Region 11

Signature Information

Signature: Sahadeo Bhagwandin, P.E. 088239-1

Date: June 29, 2022

Reviewed By: Robert Kemp

Date: June 29, 2022

Attachments: 7

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 154			
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	34	each

Flagged Condition Description

This Yellow Flag No. NB2222W015 is a new condition.

Location: Span 154 – S1 at Pier 153 over 3rd Avenue Westbound

Description: Stringer S1 end at Pier 153 exhibits severe corrosion with up to 60% section loss in the web for height of 22", adjacent to the connection angle. Four (4) rivets in the connection angle, six (6) rivets in the bottom flange angle and three (3) rivets in web exhibit 10% to 15% section loss in rivet heads.

The outstanding leg of the bottom flange angle exhibits up to 40% section loss (32"L x full width). The stringer bearing seat at the begin face of Pier 153 exhibits corrosion with up to 10% section loss.

Notes:

- 1.Stringer S1 receives no direct live loading, but supports the barrier/railing above the deck.
- 2.Total web thickness of Stringer S1 without section loss was measured as 0.4" (D-meter reading).
- 3.The web height between the top flange and bottom web angle is 22" H.
- 4.No deformation was observed in any part of the Stringer S1 connection to the Pier 157 Pier Cap.
- 5.The adjacent Girder G1 in Span 154 is in fair condition.
- 6.Stringer S1 in Span 153 at Pier 153 has a new yellow flag issued (Refer to YF NB2222W014).
- 7.Double left lane closure at 3rd Avenue Out-Bound (Verrazano Bridge) and a 35' bucket truck are required to access this location.

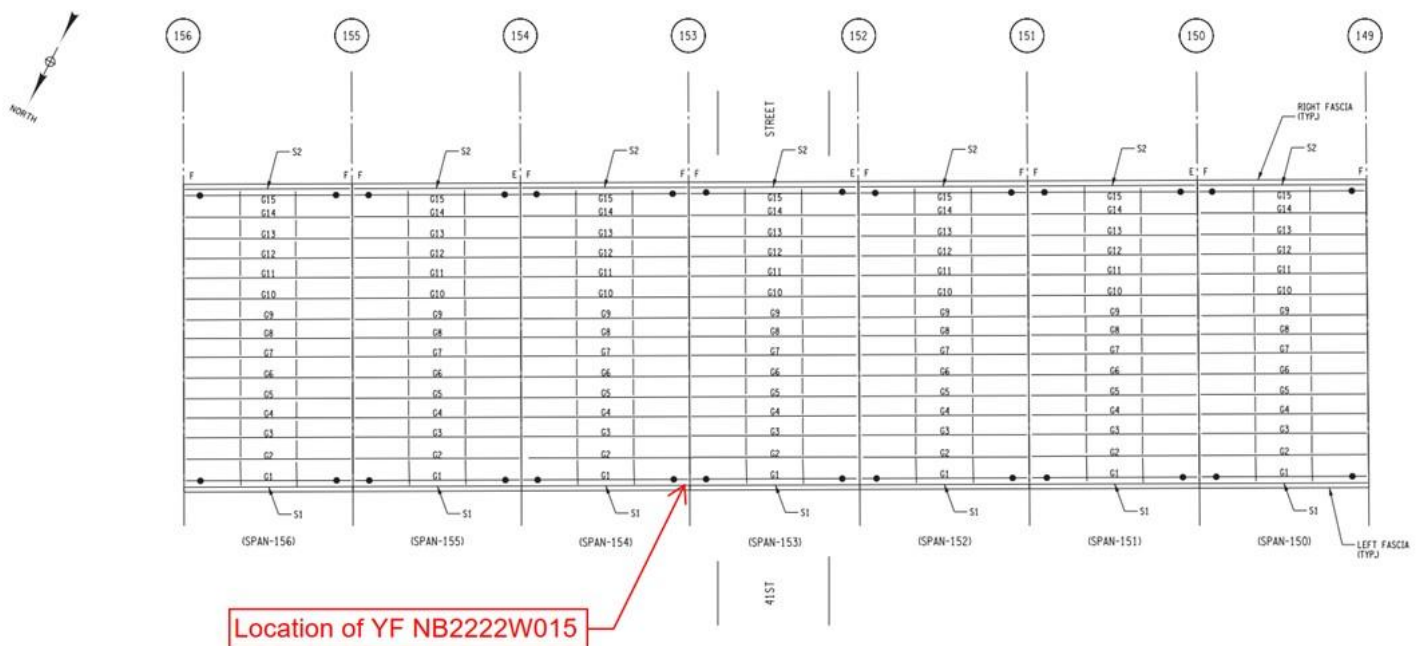
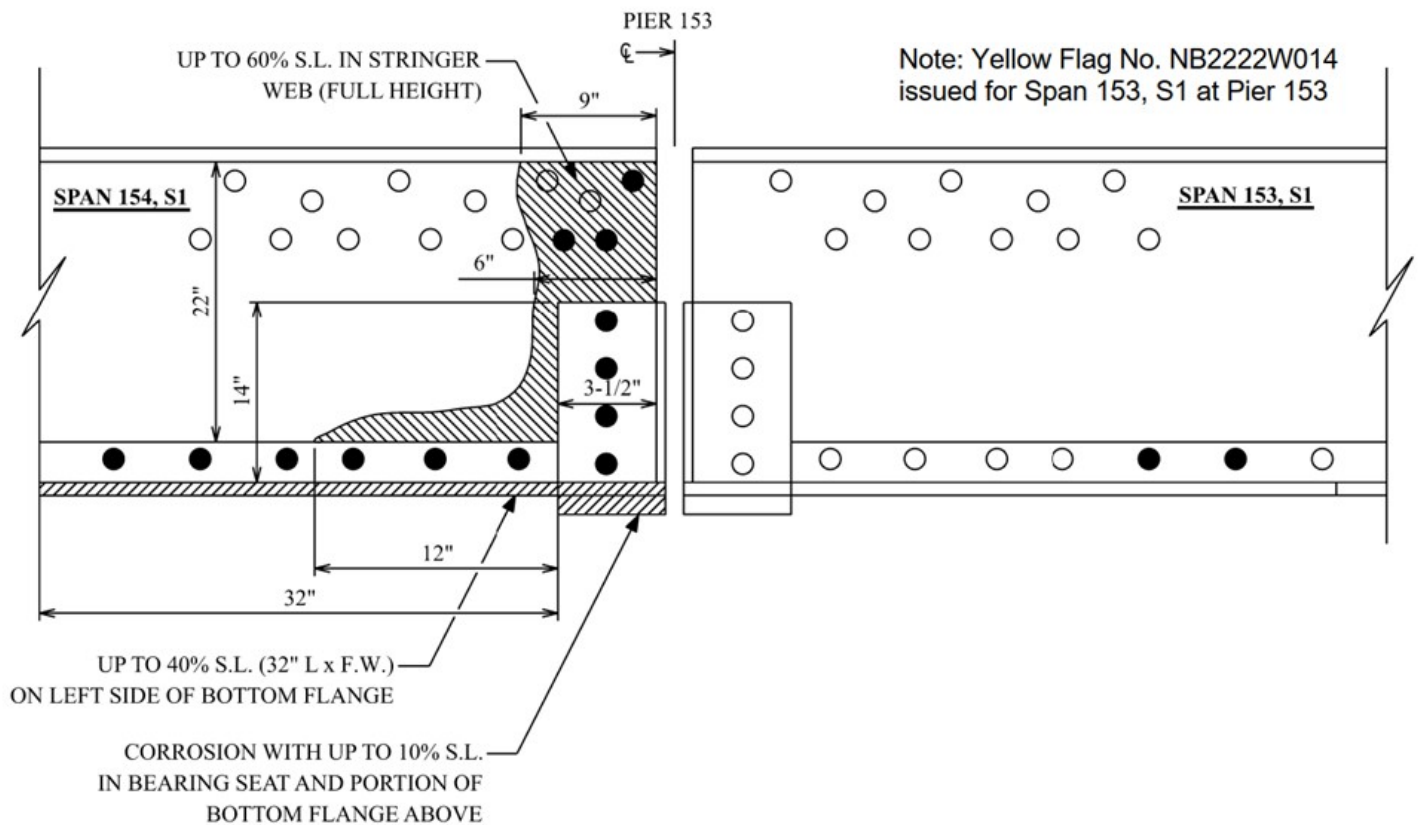
Flag PhotographsPhoto Number: **1**Photo Filename: **1065318 Span 154 Framing Plan.jpg****Attachment Description: SPAN 154 FRAMING PLAN**

Photo Number: 2

Photo Filename: BIN 1065318 - FLAG DETAIL SKETCH 1.jpg

BIN 1065318**DATE: 06/03/2022**LEFT FACE OF STRINGER S1 AT PIER 153(LOOKING RIGHT)

LEGEND:

SCALE: N.T.S

● UP TO 10% - 15 % SECTION LOSS IN RIVET HEAD

Attachment Description: FLAG DETAIL SKETCH 1

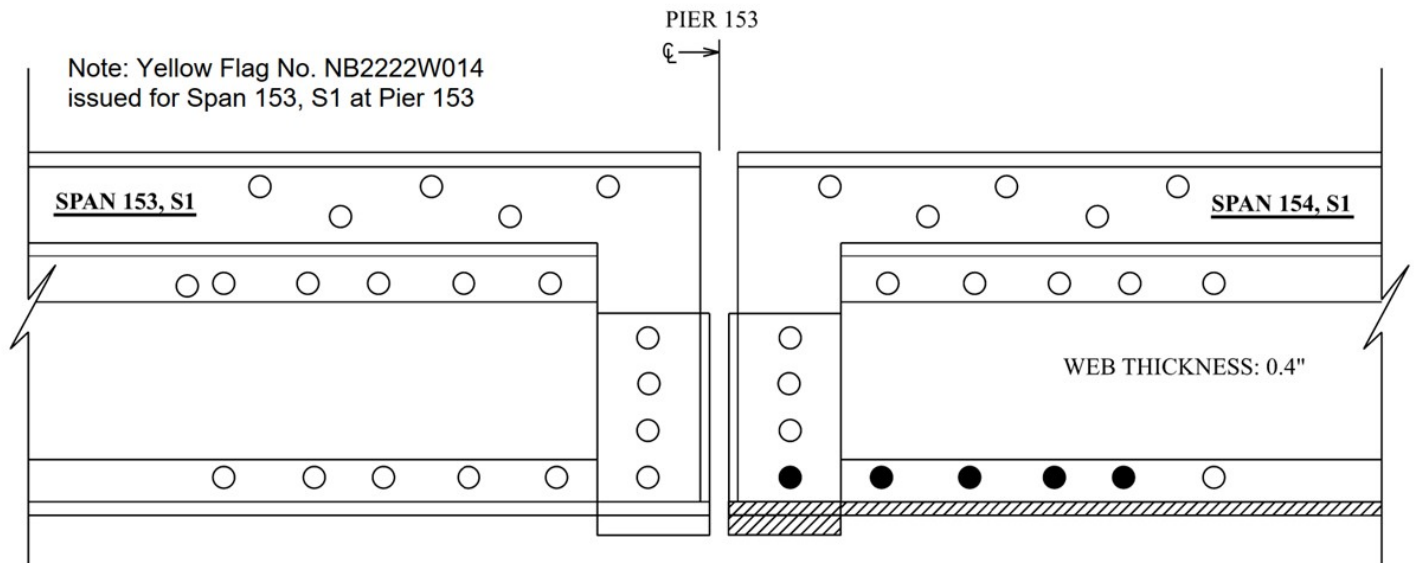
Photo Number: 3

Photo Filename: BIN 1065318 - FLAG DETAIL SKETCH 2.jpg

BIN 1065318**DATE: 06/03/2022**

PIER 153

Note: Yellow Flag No. NB2222W014
issued for Span 153, S1 at Pier 153

**LEGEND:**

- UP TO 10% - 15 % SECTION LOSS IN RIVET HEAD

Attachment Description: FLAG DETAIL SKETCH 2

Photo Number: 4

Photo Filename: SP154 S1 General View.PNG



Attachment Description: General view of flag location in Span 154 at Pier 153. Looking begin.

Photo Number: 5

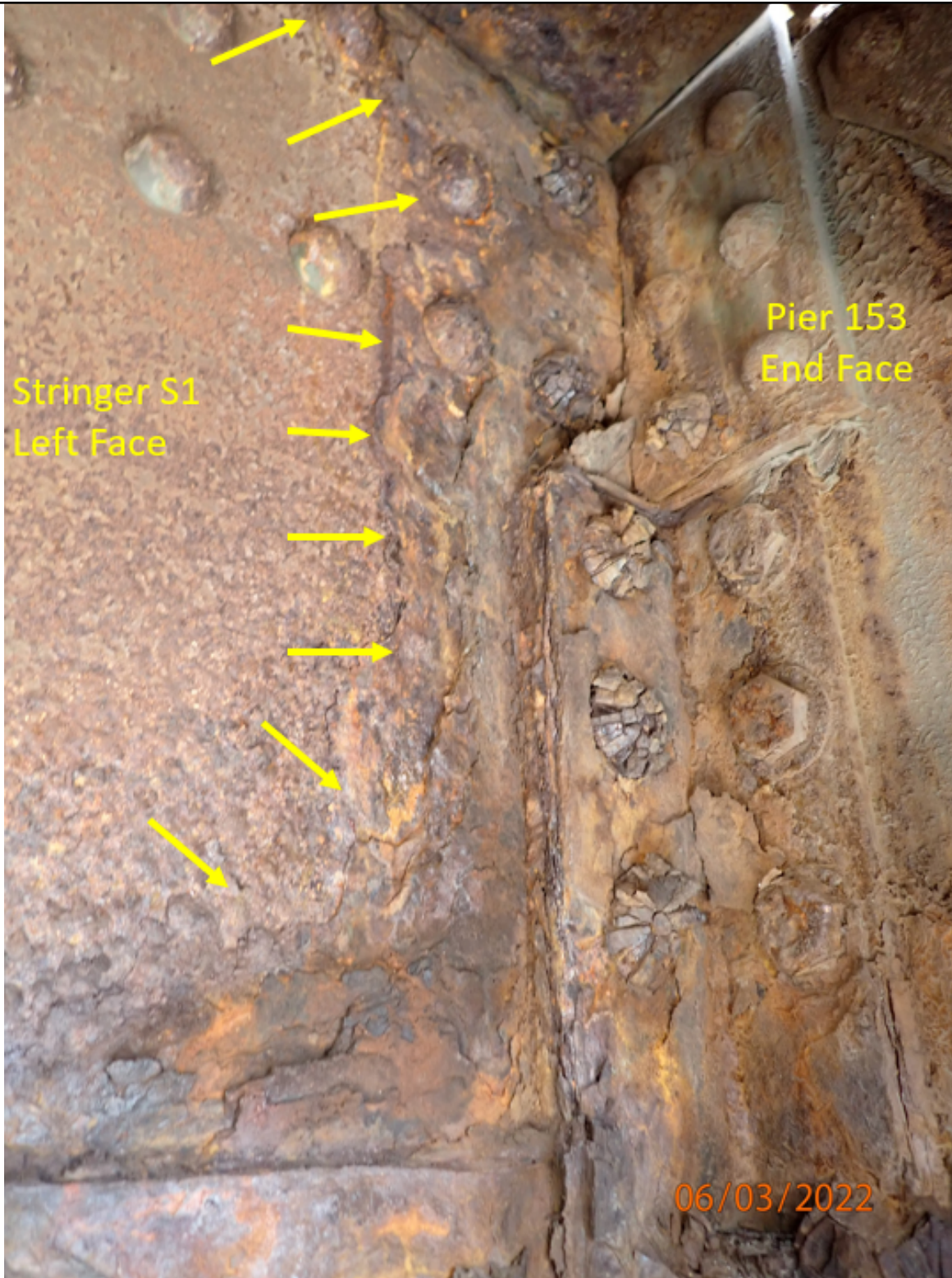
Photo Filename: SP154 S1 Detail 1.PNG



Attachment Description: Span 154, Stringer S1 at Pier 153 - General view of left side of stringer web. Looking begin - right.

Photo Number: 6

Photo Filename: SP154 S1 Detail 2.PNG



Attachment Description: Span 154, Stringer S1 at Pier 153 - Close-up view of left side of stringer web. Looking begin - right.

Photo Number: 7

Photo Filename: SP154 S1 Detail 3.PNG



Attachment Description: Close up view of Span 154, Stringer S1 at Pier 153 - Section loss in bottom flange and in angle leg rivets on left side of stringer web. Looking begin.